



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gretton et al.
 Serial No. : 09/918,257
 Filed : July 30, 2001
 For : MICROLENS ARRAYS HAVING HIGH FOCUSING EFFICIENCY

Commissioner of Patents and Trademarks
 Washington, D.C. 20231

MODIFIED 1449 FORMU.S. APPLICATIONS

Examiner Initial	Application Number	Filing Date	Name
<u> </u>	1. 09/918,408	7/30/2001	Morris et al.

*Considered but
 not appropriate
 for printing
 cover of
 Patent
 Class/subclass*

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Issue Date	Name
<u>u</u>	2. 1,942,841	1/1934	Shimizu
<u>u</u>	3. 2,338,654	1/1944	Mac Neille
<u>u</u>	4. 2,358,070	9/1944	Holmes et al.
<u>u</u>	5. 2,362,573	11/1944	Mac Neille
<u>u</u>	6. 2,618,198	11/1952	Luboshez

352/450

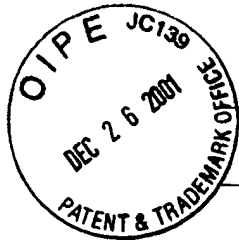
u/hu a/pa/b



<u>ue</u>	7.	2,804,801	9/1957	Mihalakis	Class/Subclass —
<u>ue</u>	8.	2,984,152	5/1961	Mihalakis	—
<u>ue</u>	9.	3,063,339	11/1962	Mihalakis et al.	—
<u>ue</u>	10.	3,994,562	11/1976	Holzel	350/117
<u>ue</u>	11.	4,172,219	10/1979	Deml et al.	219/121LM
<u>ue</u>	12.	4,241,980	12/1980	Mihalakis, deceased, et al.	350/129
<u>ue</u>	13.	4,427,265	1/1984	Suzuki et al.	350/321
<u>ue</u>	14.	4,464,030	8/1984	Gale et al.	346/36L
<u>ue</u>	15.	4,490,010	12/1984	Honda et al.	350/128
<u>ue</u>	16.	4,536,056	8/1985	Oguino	350/128
<u>ue</u>	17.	4,666,248	5/1987	van de Ven	350/128
<u>ue</u>	18.	4,668,080	5/1987	Gale et al.	355/51
<u>ue</u>	19.	4,767,186	8/1988	Bradley, Jr. et al.	350/128
<u>ue</u>	20.	4,826,292	5/1989	Spohr et al.	350/321
<u>ue</u>	21.	4,882,262	11/1989	Wilwerding	430/321
<u>ue</u>	22.	5,080,706	1/1992	Snyder et al.	65/102
<u>ue</u>	23.	5,081,545	1/1992	Sugawara et al.	359/625
<u>ue</u>	24.	5,085,977	2/1992	Sugawara et al.	358/652
<u>ue</u>	25.	5,104,435	4/1992	Oikawa et al.	65/30.13
<u>ue</u>	26.	5,155,631	10/1992	Snyder et al.	357/708

ue/ue

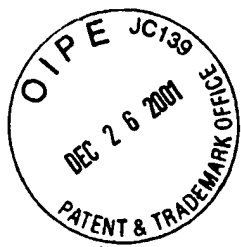
7/29/05



<u>42</u>	27.	5,298,366	3/1994	Iwasaki et al.	480/321
<u>42</u>	28.	5,300,263	4/1994	Hoopman et al.	264/25
<u>42</u>	29.	5,324,623	6/1994	Tsumori	430/321
<u>42</u>	30.	5,453,876	9/1995	Hamada	359/625
<u>42</u>	31.	5,471,327	11/1995	Tedesco et al.	352/15
<u>42</u>	32.	5,534,386	7/1996	Petersen et al.	42/321
<u>42</u>	33.	5,536,455	7/1996	Aoyama et al.	430/330
<u>42</u>	34.	5,609,939	3/1997	Petersen et al.	422/141
<u>42</u>	35.	5,631,754	5/1997	Jannson et al.	349/64
<u>42</u>	36.	5,695,895	12/1997	Johnson et al.	42/321
<u>42</u>	37.	5,715,022	2/1998	Takamatsu et al.	349/142
<u>42</u>	38.	5,718,830	2/1998	Hlinka et al.	420/321
<u>42</u>	39.	5,731,857	3/1998	Neijzen	349/15
<u>42</u>	40.	5,733,710	3/1998	Kuboya et al.	430/329
<u>42</u>	41.	5,764,310	6/1998	Yamagishi	349/5
<u>42</u>	42.	5,861,990	1/1999	Tedesco	359/522
<u>42</u>	43.	5,867,321	2/1999	Nakama et al.	359/619
<u>42</u>	44.	5,886,760	3/1999	Ueda et al.	349/95
<u>42</u>	45.	5,871,653	2/1999	Ling	216/2
<u>42</u>	46.	5,982,552	11/1999	Nakama et al.	352/620
<u>42</u>	47.	6,034,817	3/2000	Mihalakis	359/454

[Handwritten signature]

7/24/05

FOREIGN PATENT DOCUMENTS

<u>Examiner Initial</u>		<u>Document Number</u>	<u>Date</u>	<u>Country</u>
<u>W</u>	48.	WO 99/64929	12/1999	PCT

OTHER ART

<u>Examiner Initial</u>		
<u>W</u>	49.	<u>Micro-Optics: Elements, systems and applications,</u> Hans P. Herzig, ed., Taylor & Francis, Bristol, PA, 1997, pp. 53-152.

W *W* 9/28/03

[222] Attorney Docket No. RPC-6US



PATENT RECEIVED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE -6 2002

TECHNOLOGY CENTER 2800

Applicant : Geoffrey B. Gretton, G. Michael Morris and
Tasso R. M. Sales
Serial No. : 09/918,257
Filed : July 30, 2001
For : MICROLENS ARRAYS HAVING HIGH FOCUSING
EFFICIENCY

Commissioner of Patents and Trademarks
Washington, D.C. 20231

SUPPLEMENTAL MODIFIED 1449 FORM

U.S. PATENT DOCUMENTS

<u>Examiner Initial</u>		<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>
<u>qu</u>	68.	5,177,637	1/1993	Tsukada

RECEIVED

OCT 10 2002

TC 1700

Class/Subclass

359/599

FOREIGN PATENT DOCUMENTS

<u>Examiner Initial</u>		<u>Document Number</u>	<u>Date</u>	<u>Country</u>
<u>qu</u>	69.	63-221329 with attached English abstract	9/1988	JP
<u>qu</u>	70.	3-192232 with attached English abstract	8/1991	JP
<u>qu</u>	71.	4-119339 with attached English abstract	4/1992	JP
<u>qu</u>	72.	4-220631 with attached English abstract	8/1992	JP
<u>qu</u>	73.	8-190135 with attached English abstract	7/1996	JP
<u>qu</u>	74.	8-248403 with attached English abstract	9/1996	JP

Class/sub class

qu

4/22/03



RECEIVED

Class/subclass

he

75. 11-142609 5/1999 JP
with attached English abstract TECHNOLOGY CENTER 2800

he

76. 2000-035616 2/2000 JP
with attached English abstract

he

9/26/03

RECEIVED

OCT 10 2002

TC 1700



[241] Attorney Docket No. : RPC-6US




PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Gretton et al.
Serial No.	:	09/918,257
Filed	:	July 30, 2001
For	:	MICROLENS ARRAYS HAVING HIGH FOCUSING EFFICIENCY
Examiner	:	M. Angebranndt
Group	:	2240

SUPPLEMENTAL MODIFIED 1449 FORM

U.S. PATENT DOCUMENTS

<u>Examiner Initial</u>	<u>Document Number</u>	<u>Issue Date</u>	<u>Name</u>	<u>Class/Subjects</u>
	77. 5,694,246	12/1997	Aoyama et al.	359/619
	78. 5,870,224	2/1999	Saitoh et al.	359/456
	79. 6,317,263	11/2001	Moshrefzadeh et al.	359/443

Ref: 4/29/03